

## EAST Search History

| Ref<br># | Hits | Search Query | DBs | Default<br>Operator | Plurals | Time Stamp |
|----------|------|--------------|-----|---------------------|---------|------------|
|----------|------|--------------|-----|---------------------|---------|------------|

# EAST Search History

|                       |    |   |  |    |    |                  |
|-----------------------|----|---|--|----|----|------------------|
| L1                    | 94 | (US-20040006287-\$ or<br>US-20030191410-\$ or<br>US-20020058881-\$ or<br>US-20020151818-\$ or<br>US-20020016554-\$ or<br>US-20040097839-\$ or<br>US-20010034494-\$ or<br>US-20020029005-\$ or<br>US-20030078516-\$ or<br>US-20010025148-\$ or<br>US-20030065276-\$ or<br>US-20020032363-\$ or<br>US-20020091337-\$ or<br>US-20020087094-\$ or<br>US-20020128541-\$).did. or<br>(US-6368289-\$ or US-6687377-\$ or<br>US-4106496-\$ or US-4244377-\$ or<br>US-4190033-\$ or US-6299584-\$ or<br>US-4025733-\$ or US-4756312-\$ or<br>US-5811681-\$ or US-4106493-\$ or<br>US-5364343-\$ or US-5476446-\$ or<br>US-6958043-\$ or US-6045528-\$ or<br>US-4757807-\$ or US-5421818-\$ or<br>US-5942954-\$ or US-6706023-\$ or<br>US-3995620-\$ or US-6663575-\$ or<br>US-6800062-\$ or US-6589189-\$ or<br>US-6648873-\$ or US-5285685-\$ or<br>US-5825894-\$ or US-4020298-\$).<br>did. or (US-D265557-\$ or<br>US-4466438-\$ or US-6640122-\$ or<br>US-4014320-\$ or US-4122841-\$ or<br>US-4102342-\$ or US-6358216-\$ or<br>US-4984579-\$ or US-6440102-\$ or<br>US-5176654-\$ or US-4023561-\$ or<br>US-4741344-\$ or US-6139507-\$ or<br>US-5792072-\$ or US-6341229-\$ or<br>US-6159171-\$ or US-6454718-\$ or<br>US-5303715-\$ or US-4057051-\$ or<br>US-6654652-\$ or US-5954667-\$ or<br>US-6644120-\$ or US-4029083-\$ or<br>US-4226248-\$ or US-6234979-\$ or<br>US-3716046-\$ or US-6491644-\$).<br>did. or (US-5526809-\$ or<br>US-4194512-\$ or US-4024499-\$ or<br>US-4830024-\$ or US-4060701-\$ or<br>US-5063946-\$ or US-4493328-\$ or<br>US-6808473-\$ or US-5673692-\$ or<br>US-5546950-\$ or US-6258043-\$ or<br>US-6532296-\$ or US-6511437-\$ or<br>US-6314324-\$ or US-5611337-\$ or<br>US-4966164-\$ or US-4601294-\$ or<br>US-3752939-\$).did. or<br>(US-3712962-\$).did. or<br>(JP-08079874-\$).did. or<br>(US-20050182385-\$ or<br>US-20040097839-\$ or<br>US-5942954-\$ or US-4628907-\$ or<br>US-20040006287-\$ or<br>US-6004774-\$).did | US-PGPUB;<br>USPAT;<br>USOCR;<br>JPO;<br>DERWENT | OR | ON | 2006/10/16 13:38 |
| 10/16/2006 2:41:38 PM |    | C:\Documents and Settings\hoekstra\My Documents\EAST\Workspaces\10715871\01.wsp   |  |    |    | Page 2           |

## EAST Search History

|    |     |                                  |  |    |    |                  |
|----|-----|----------------------------------|--|----|----|------------------|
| L2 | 15  | l1 and (pierc\$7 penetrat\$7)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/16 14:22 |
| L3 | 142 | 607/42.ccls.\                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/16 14:22 |
| L4 | 39  | 601/76.ccls.                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/10/16 14:22 |
| S1 | 0   | epley-john.in.                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                      | OR | ON | 2006/02/14 09:29 |
| S2 | 79  | epley.in.                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                      | OR | ON | 2006/02/14 09:35 |
| S3 | 471 | 600/559.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                      | OR | ON | 2006/02/14 09:35 |
| S4 | 349 | 600/559.ccls. and @ad<"20021118" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                      | OR | ON | 2006/02/14 10:54 |

## EAST Search History

|    |    |  |   |    |    |                  |
|----|----|--|---|----|----|------------------|
| S5 | 41 | US-3258008-\$.DID. OR<br>US-3583794-\$.DID. OR<br>US-3716046-\$.DID. OR<br>US-4102564-\$.DID. OR<br>US-4320768-\$.DID. OR<br>US-4474186-\$.DID. OR<br>US-4698564-\$.DID. OR<br>US-4818097-\$.DID. OR<br>US-4988183-\$.DID. OR<br>US-5421818-\$.DID. OR<br>US-5747529-\$.DID. OR<br>US-5476446-\$.DID. OR<br>US-5517021-\$.DID. OR<br>US-5942954-\$.DID. OR<br>US-6045528-\$.DID. OR<br>US-4738269-\$.DID. OR<br>US-4830024-\$.DID. OR<br>US-5303715-\$.DID. OR<br>US-5042910-\$.DID. OR<br>US-4710128-\$.DID. OR<br>US-5285685-\$.DID. OR<br>"20020151818" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 10:59 |
|----|----|--|---|----|----|------------------|

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S6  | 140 | ("0726009"   "0789876"   "0824071"   "0851530"   "0926197"   "1040404"   "1323466"   "1830198"   "2190384"   "2633927"   "2642065"   "2652048"   "2781416"   "2826000"   "3049125"   "3130810"   "3272926"   "3408658"   "3469651"   "3528419"   "3563231"   "3581570"   "3702123"   "3707146"   "3757769"   "3810474"   "3848607"   "3882848"   "3919501"   "3944018"   "3995620"   "4023561"   "4029083"   "4034759"   "4102342"   "4143649"   "4159719"   "4175563"   "4190033"   "4244377"   "4250878"   "4297748"   "4299237"   "4320758"   "4325386"   "4419092"   "4466438"   "4650474"   "4754748"   "4757807"   "4841986"   "4874368"   "4968297"   "4971076"   "4976966"   "5037380"   "5171216"   "5176654"   "5219334"   "5236413"   "5281287"   "5282785"   "5286254"   "5304134"   "5364343"   "5417657"   "5419312"   "5419777"   "5421818"   "5451233"   "5474529"   "5476446"   "5577511"   "5776111"   "5811681").PN. OR ("4014320"   "4025733"   "4029083"   "4194512"   "4244377"   "4466438"   "6045528"   "6159171").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2006/02/14 11:02 |
| S7  | 96  | S6 and @ad<"20021118"  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2006/02/14 11:02 |
| S8  | 352 | 600/372.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:07 |
| S9  | 291 | 600/372.ccls. and @ad<"20021118"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:11 |
| S10 | 204 | 600/382.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:11 |

## EAST Search History

|     |     |                                  |   |    |    |                  |
|-----|-----|----------------------------------|---|----|----|------------------|
| S11 | 167 | 600/382.ccls. and @ad<"20021118" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:16 |
| S12 | 173 | 600/383.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:16 |
| S13 | 145 | 600/383.ccls. and @ad<"20021118" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:18 |
| S14 | 80  | 600/384.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:18 |
| S15 | 50  | 600/384.ccls. and @ad<"20021118" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:19 |
| S16 | 402 | 600/393.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:19 |
| S17 | 334 | 600/393.ccls. and @ad<"20021118" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:36 |
| S18 | 99  | 600/552.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:37 |
| S19 | 68  | 600/552.ccls. and @ad<"20021118" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:39 |
| S20 | 100 | 600/560.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:39 |

## EAST Search History

|     |      |                                  |   |    |    |                  |
|-----|------|----------------------------------|---|----|----|------------------|
| S21 | 72   | 600/560.ccls. and @ad<"20021118" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:41 |
| S22 | 471  | 600/559.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:41 |
| S23 | 349  | 600/559.ccls. and @ad<"20021118" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:42 |
| S24 | 805  | 600/561.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 11:42 |
| S25 | 694  | 600/561.ccls. and @ad<"20021118" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 12:37 |
| S26 | 1560 | 600/587.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 12:38 |
| S27 | 1354 | 600/587.ccls. and @ad<"20021118" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 13:11 |
| S28 | 1048 | 600/595.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 13:11 |
| S29 | 856  | 600/595.ccls. and @ad<"20021118" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 13:13 |
| S30 | 2512 | 600/300.ccls.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 13:13 |

## EAST Search History

|     |         |   |   |    |    |                  |
|-----|---------|---|---|----|----|------------------|
| S31 | 1795    | 600/300.ccls. and @ad<"20021118"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 13:13 |
| S32 | 183     | 600/300.ccls. and @ad<"20021118"<br>and ear   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 13:16 |
| S33 | 473     | 600/301.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 13:16 |
| S34 | 375     | 600/301.ccls. and @ad<"20021118"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 13:42 |
| S35 | 54      | 600/301.ccls. and @ad<"20021118"<br>and ear   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 13:16 |
| S36 | 828     | 600/544.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 13:42 |
| S37 | 186     | 128/905.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 13:43 |
| S38 | 144     | 128/905.ccls. and @ad<"20021118"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 14:08 |
| S39 | 1445215 | (ear vestibub\$4 audit\$4 aur\$4<br>equilib\$4 balance dizz\$4 meniere<br>vertigo nystagmus)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 14:10 |
| S40 | 671226  | (ear vestibub\$4 audit\$4 aur\$4<br>equilib\$4 balance dizz\$4 meniere<br>vertigo nystagmus hearing) and<br>(pressure acoustic fluid) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 14:10 |



## EAST Search History

|     |          |  |   |    |    |                  |
|-----|----------|--|---|----|----|------------------|
| S41 | 264067   | (ear vestibub\$4 audit\$4 aur\$4 equilib\$4 balance dizz\$4 meniere vertigo nystagmus hearing) and (pressure acoustic fluid hydro\$4) same (sensor device electrode stimulu\$4)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 14:12 |
| S42 | 286845   | (ear vestibub\$4 audit\$4 aur\$4 equilib\$4 balance dizz\$4 meniere vertigo nystagmus hearing) and (pressure sound acoustic fluid hydro\$4) same (sensor device electrode stimulu\$4)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 14:12 |
| S43 | 106190   | (ear vestibub\$4 audit\$4 aur\$4 equilib\$4 balance dizz\$4 meniere vertigo nystagmus hearing) same (pressure sound acoustic fluid hydro\$4) same (sensor device electrode stimulu\$4)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 14:12 |
| S44 | 52817    | (ear vestibub\$4 audit\$4 aur\$4 equilib\$4 balance dizz\$4 meniere vertigo nystagmus hearing) same (pressure sound acoustic fluid hydro\$4) with (sensor device electrode stimulu\$4)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 14:14 |
| S45 | 19910    | (ear vestibub\$4 audit\$4 aur\$4 equilib\$4 balance dizz\$4 meniere vertigo nystagmus hearing) with (pressure sound acoustic fluid hydro\$4) with (sensor device electrode stimulu\$4)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 14:16 |
| S46 | 15855397 | (ear vestibub\$4 audit\$4 aur\$4 equilib\$4 balance dizz\$4 meniere vertigo nystagmus hearing) near\$4 (pressure sound acoustic fluid hydro\$4) near\$4 (sensor device electrode stimulu\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 14:18 |
| S47 | 2741     | (ear vestibub\$4 audit\$4 equilib\$4 balance meniere vertigo nystagmus ) with (pressure) with (sensor electrode)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 14:19 |
| S48 | 2753     | (ear vestibul\$4 audit\$4 equilib\$4 balance meniere vertigo nystagmus ) with (pressure) with (sensor electrode)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 14:19 |
| S49 | 323      | (ear vestibul\$4 meniere vertigo nystagmus ) with (pressure) with (sensor electrode)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 14:19 |

## EAST Search History

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S50 | 323 | (ear vestibul\$4 meniere vertigo nystagmus) with (pressure) with (sensor electrode)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 14:20 |
| S51 | 195 | (ear vestibul\$4 meniere vertigo nystagmus) with (pressure) with (sensor electrode) and @ad<"20021118" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/14 14:20 |
| S52 | 2   | "4757807".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/15 12:35 |
| S53 | 14  | "8302556"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/02/15 13:02 |